

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/011614

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C29/00 C07C29/09 C12P41/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C C12P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BEILSTEIN Data, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>S. TAKANO, ET AL.: "Synthesis of optically active 4-benzyloxymethyl- and 4-(4-methoxyphenoxy)methylbuten-2-olides via lipase-mediated resolution" SYNTHESIS, no. 12, December 1993 (1993-12), pages 1253-1256, XP002274130 GEORG THIEME VERLAG, STUTTGART, DE page 1255, left-hand column, line 53 - right-hand column, line 5</p> <p style="text-align: center;">----- -/--</p>	1



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

24 January 2005

Date of mailing of the international search report

09/02/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	P. ALLEVI, ET AL.: "Lipase catalysed resolution of (R)- and (S)-1-trimethylsilyl-1-alkyn-3-ols: useful intermediates for the synthesis of optically active gamma-lactones" TETRAHEDRON: ASYMMETRY, vol. 8, no. 1, 9 January 1997 (1997-01-09), pages 93-99, XP004015181 ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL ISSN: 0957-4166 page 97, line 24 - line 31	1
A	W.P. GALLAGHER, ET AL.: "PMHS-mediated couplings of alkynes or benzothiazoles with various electrophiles: application to the synthesis of (-)-akolactone A" JOURNAL OF ORGANIC CHEMISTRY, vol. 68, no. 17, 22 August 2003 (2003-08-22), pages 6775-6779, XP002274131 AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US page 6779, left-hand column, last paragraph	1
A	C.F. THOMPSON, ET AL.: "FR901464: Total synthesis, proof of structure, and evaluation of synthetic analogues" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol. 123, no. 41, 25 September 2001 (2001-09-25), pages 9974-9983, XP002274555 AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US * scheme 2 *	1